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his/her level of absenteeism (AWOL). Again, this study approaches only the level of response-performance-AWOL correlations with no attempt at supporting or refuting the satisfaction-leads-to-performance assumption.

#### Analysis revealed:

- A positive correlation between level of response and performance.
- . Considerably higher response-performance correlations for Combat Arms and Combat Service Support than for Combat Support.
- . No overall correlation between level of response and AWOL. However further analysis revealed a negative correlation between AWOL and three out of four factor sub-scales.
- . A negative correlation between level of performance and AWOL.

# THE GOAL OF MOTIVATION IN THE MILITARY: SOLDIER SATISFACTION OR SOLDIER PERFORMANCE?

A Thesis

Presented to

the U.S. Army Command and General Steff College

In Partial Fulfillment

of the Requirements for the Degree

Mayter of Military Art and Science

Allison Crawford Patterson

June 1978

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#### CHAPTER I

#### THE PROBLEM AND ITS SETTING

#### INTRODUCTION

For as long as management has been identified as a distinct art or science, managers have wrestled with the question: What causes an employee to perform? Further, what causes the quality and quantity of that performance to improve or deteriorate? Although this problem has received much attention in the business world, through such studies as the "Mawthorne" type and others, it has not been adequately addressed in the military environment. The purpose of this study is to approach the performance question in this neglected military area by determining how U.S. Army junior enlisted soldiers (El through EL) perceive various motivational factors of their job, and how these perceptions are correlated with performance and AWOL. Therefore, the ultimate goal of this study is to provide the Army commander/manager with an insight as to how junior enlisted soldiers' perceptions of their jobs are correlated with their level of job performance and rate of absenteeism (AWOL).

Recently, and for good reason, the questions of what causes an employee to perform ar what causes that performance to improve or deteriorate have received increased attention by both managers and organizational researchers. I believe one has only to ask first-line supervisors what their most taxing work problems are for evidence of the

importance of these questions to management. Judging from the volume of articles relating to motivation in psychological and management journals, the problem exists in all fields, civilian as well as military.

Several factors appear to account for the emergence of motivation as a focal point of interest. First, managers and organizational researchers have recently begun to direct more attention to the overall MEHAVIORAL requirements of an organization. Also, in addition to financial and physical resources, every organization must obviously have people in order to function. Katz and Kahn (1966) posited that organizations have three behavioral requirements: (1) people must be attracted not only to join the organization but also to remain in it; (2) people must perform the tasks for which they are hired, and must do so in a dependable manner; and (3) people must go beyond this dependable role performance and engage in some form of creative, spontaneous, and innovative behavior at work. In short, for an organization to be effective, it must come to grips with stimulating both the decision to participate and the decision to produce at work.

A second and related reason for the increased attention is the pervasive nature of the concept of motivation. By this I mean, the question of why people behave as they do on the job interacts with the entire field of organizational variables. Therefore an understanding of motivation is essential to the comprehension of the effects other variables such as leadership style, job rodesign, and salary have on the overall effectiveness of the organization.

Third, the ever-tightening financial and manning constraints placed on organizations have forced management to look for new mechanisms to increase, and in some cases just to maintain, their level of organizational effectiveness and efficiency. The "slack" that organizations could once rely on is no longer available. This environment of increasing constraints is particularly true for the military manager. The change to an all-volunteer Army and the generally austere financial and manning levels have given the problem added urgency and focus. Because of these constraints, management must insure that it derives greater benefit from those resources available to it—including human resources. In short, organizational effectiveness becomes, to some degree, a question of management's ability to motivate its employees to direct a reasonable effort toward the goals of the organization.

A fourth reason is the level of technology required for operation. The increasing sophistication of hardware does not lessen the requirement for quality employee performance. On the contrary, these new complex machines require a level of performance previously unattained—or possibly unattainable. The net result is that they have increased the requirement for a greater number of people to work at the capacity to apply the technology required for success. For example, the infantryman of today cannot be satisfied with merely surviving and maintaining proficiency with his rifle, he must be capable of operating and maintaining a highly complex weapons system which is many cases includes an armored personnel carrier and either a TOW or DRACON anti-tank weapon with associated guidance and support equipment.

Finally, while financial and physical resources have usually been planned on a long-term basis, only recently have organizations begun to apply the same perspective to their human resources. In the military this transl our be seen in the revitalized training procedures, whereby the individual soldier can clearly define his job skill requirements and can systematically work toward promotion through job qualification.

In summary, there are several reasons why motivation is getting more attention by both managers and those who study organizations. In any case, the complexity of the employee motivation phenomenon is at least keeping pace with the growing complexity of modern hardware technology. Now a look at motivation.

The term "motivation" was originally derived from the latin word MOVERE, which means "to move". Since this is obviously an inadequate definition for our purpose, the following are brief selections which attempt to get at various aspects of the process by which human behavior is activated:

- ". . . the contemporary (immediate) influences on the direction, vigor and persistence of action." (Atkinson, 1964)
- ". . . a process governing choices made by persons or lower organisms among alternative forms of voluntary activity." (Vroom, 1964)
- ". . . to steer one's actions toward certain goals and to commit a certain part of one's energies to reaching them." (Gellerman, 1963)
- "... A motive is a restlessness, a lack, a yen, a force. Once in the grip of a motive, the organism does something. It most generally does something to reduce the restlessness, to remedy the lack, to alleviate the yen, to mitigate the force." (Sanford and Wrightsman, 1970)

Three elements appear common to these and most other definitions of motivation: (1) the element that energizes human behavior: (2) the

element that directs or channels such behavior; and (3) the element relating to how this behavior is maintained or sustained. These three common denominators usually appear, in some form, in all motivation research. Based on these three elements, a model of motivation can be shown to consist of four basic building blocks: (1) needs or expectations; (2) behavior; (3) goals; and (4) some form of feedback. However, this model is far from simplistic in that individuals possess—in varying strengths—a multitude of needs, desires and expectations.

Dunnette and Kirchner (1965) identified several complications in attempting to assess motivation, not the least of which is that motives can only be INFERRED; they can not be seen. This means that when we see soldiers putting in the extra time, we really do not know if they feel obligated to do the work, are "bucking" for promotion, or merely enjoy the work. Still speaking of inferring motives from observations, Hilgard and Atkinson (1967) give four reasons why this process is difficult:

(1) any single act may expects accoral motives; (2) motives may appear in disguised forms; (5) simpler motives may be expressed with different behavior; and (4) cultural and personal variations may significantly change the modes of expression. The model is further complicated by the multitude of needs, desired, and expectations a person may experience simultaneously, the differences among individuals as to which motives they select over others, and the intensity with which they pursue such motives.

Further, behavior is usually considered as being of two types:

INSTRUMENTAL or CONSUMMENTAL. Instrumental behavior is directed at the

means to certain ends; consummatory behavior is directed at the ends

themselves. For example, soldiers who work hard and put in many hours of off-duty time in maintaining their equipment may do so either because they want to impress the bess and possibly os promoted (an instrumental act) or simply because they enjoy working (a consummatory act). In any case, one can readily see the immense complexity of the human motivation process and the difficulty of predicting human behavior. Chapter III, Literature Review, will cover the major contemporary motivation theories and the research dome in each. however, near I would like to take a brief look at the sarrly work in instituation, the beginning of motivation as a concept.

### Early Thoughts on hecknyallar Tangence

The concept of motivation dates back at least to the Greek philosophers who discussed the principle of hall-wish, which generally means the tendency of indeviduals of each pholosure and avoid pain. It was later picked up by such philosophers as John Locke, Jereny Bentham, John Stuart Will and claude anarted networkers. Bencham termed the principle "hadome lalcasta" to concrete one may people calculate the pros and cons of various late of because. As motivation theory moved from the realm of philosophy to paychology in the late Nineenth Century, it becams apparent that haveral solutions problems extend with hedonism. As pointed out by Vreen. (19 mg pt. 10).

There was in the little of the expectation of the types of event which there is a could be determined the action of the events could be determined the action of the minutes of the hedonistic assumption and the angle of the content and was untestable. Any form of behavior could be predicted in advance.

William James, Sigmand Freud and William McDougal did not reject hedonism, but added two variables which they considered essential to understanding behavior: Instinct and unconscious motivation. These psychologists differed as to their specific concepts: McDougal saw instinct as "inherited or innate" and goal-directed; James thought of instinct and unconscious motivation as eausing "blind and mechanical action"; while Freud emphasized motivation in largely motivated by forces unknown even to the person himself. The abstract motivated by forces unknown even to the person himself. The abstract in this group of theories seems to have been the proliferation of inentifiable impulnets—nearly six thousand of them.

The questioning of anothers and the enconscious as automatic or learned led to the decologists of shifts that which is, the domain figure here was Hull with his "Imposse as response" (noil, 1945). His formula was: Efforc = Drive a about

Drive was desirate of milk and arrangement instrument which determined the intendety of lokeway, and which theoretically increased along with the level of deprivations and it was the scrength of relationship between past schmiller are to prove (a-d). The latter modified his formula to account for anything the scale and to formula to account for anything and scale and a formula to account for anything.

The third suger granulary and any physical approaches to motivation is the CCCIFFL and and and another derive theories considered habit (past) to be the key cleaning of acceptation, countries theories

keyed on beliefs, superturious and anticipations (future). The prominent names here are Edward Tolizon and Mart Lewin. Although Tolizon primarily studied animal behavior and Lowin studied human behavior, they agreed on the position that consumes accusations about future behavior are based primarily on case from the present unvariament, not from past associations (habits). The term cognitive later came to mean EXPECTANCY-VALENCE which was expressed by Tolizon (1959) in the formula: Effort = Expectancy x Valence. Majortancy dealed with the expected value of each various acts of behavior and value with the expected value of each potential outcomes.

## Early Thoughts on Barrell and Control

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The transferred money in cases on one assumption that: Work is inherently distantant to most isoper; which they do is less important than what they care for the same for white or can handle work which requires creativity, self-correction, or belief-conserve (wiles, Porter and Craft, 1966). Based on these assume them, management's political were: the manager's basic bask is no chouse, supermose and control his subordinates; divide tasks into simple, appearance, smally-hearmed operations; and establish detailed worm received and procument, and enforce these firmly but fairly. We for the unflavous expectations: people can tolerate work if the pay is account and the bose is fair, and if tasks are simple enough and pospills and distribute controlled, they will produce up to spandard. This begins and I am to have several years. However the "efficient" factories and among a criticism that fewer workers were needed. This faller that the second of the began to slow the previously unalkeliber from a serie wheet a major works. As a result, organisablors legat to a carrier of the propertions along the limes of locally a series and "anche persons"; hence the development of the Honor Comme has become

The first work of the late 1920s with Mayo (1923), he was a stated by Bendix (1930). As stated by Bendix (1930), he was a function as human beings came to be out. The state of the late o

and these needs are more important and making an accivating people to work. Management's pointered and the amanger's paste task is to make each worker feel user's and importantly one manager should keep his subordinates informed and important to ensure adjustments and plans; and the manager should allow any subordinates to exercise some self-direction and self-control on require management's expectations of employees. The required management and involving them in routine and the self-control of employees. The self-control of employees are self-direction with subordinates and involving them in routine and the self-control of employees. The self-control of employees and the self-

As a resulte or that the The San annual School and the general svolution of the second second a group of theories were formed in the 19800 and the WASOURCES Model. Included and and the 1965) "Human Resources buggit". Egung to the control of the Craft (1966) comparison of account, him was a second of the summa resources model: Work is not because the second tribute to meaningihi gozila 💎 📈 ... ..... മൂര് പ്രദേശിച്ച് **രണ** exercise for annual contract were the control which their job demands. As to policion: The many and . ...... of his "untapped" human resources; the ..... i de doct and and all members may combrabate on the com-TO BELLEVIE WHILE STORY OF THE STORY

must encourage full participation on important matters, continually broadening subordinates' self-control and self-direction. Management expects that: Expanding subordinate influence, self-direction, and self-control will lead to direct improvements in operating efficiency; and work satisfaction may improve as a "by product" of subordinates making full use of their resources. This model has only recently been accepted and adopted by some organizations.

To put the three models in perspective as to extent of usage, it appears that the trend is from the traditional, through the human relations, to the human resources model. This is not to say that any particular organization will wholly embrace one model to the exclusion of the others, or that any particular organization will necessarily move from one model to the other. In fact, an organization may use a hybrid of the three models, designed for its specific needs.

It is interesting to compare the evolution of military management policies with the management models. From at least the early 1900s to the early 1960s, the Army's mode of management was clearly comparable to the traditional model's assumption that few want or can handle work which requires creativity, self-direction or self-control. The thought then was, "do it because I said do it," regardless of the need or application of common sense. As for the human relations model, the Army was a few years behind the civilian recognition and adoption of human relations measures. In fact, it was not until the early 1970s that the Army really began pushing human relations considerations to the lowest levels of management, and then primarily as a result of ethnic conflicts and drug-

related motivation problems. However, if Army management follows through on the policy presently being stated, we will be ahead of the civilian community. Specifically, part of this policy is the "new" realisation that a commanding general cannot personally supervise and provide specific guidance for each leader down through squad leader level. As a result of this awakening, the Army is implementing a training program that will let every leader plan his own training program to fit the needs of his soldiers. Also, the soldiers now have the tools to self-train on specific job skills and advance as far as their desire and ability will carry them. The Army is well on the way to adopting the main assumptions of the human resources model: Work is not inherently distasteful; people want to contribute to meaningful goals which they have helped establish; and most people can exercise far more creative, responsible self-direction and self-control than their present job demands.

With the preceeding brief but representative overview of the evolution of psychological motivation theories and management models, it is now appropriate to address the problem. To avoid making this introductory chapter too voluminous, I have mentioned only the early work in motivation theories; current theories are fully covered in Chapter II, Literature Review.

### SITUATION LEADING TO THE PROBLEM

Although there has been much motivation research during the past 15 - 20 years, managers, whether civilian or military, still do not have a workable guide as to what is associated with high, or even acceptable performance. I believe this dilemma is due to the direction taken by

motivation research in generally considering worker satisfaction as the ultimate goal. The implied assumption in current motivation research is that a satisfied worker will perform better than will an unsatisfied worker, for both quantity and quality of output. Likewise, the military focus has historically been on the concept of soldier satisfaction as the prime indicator of soldier effectiveness. Commanders seem to assume that if they can optimize, or at least raise, the level of satisfaction their unit will be more effective. I do not believe this assumption to be either universally true or supported by research. However, by this I do not intend to imply that satisfaction is not important, or even that it may not be necessary to the effectiveness of a soldier or a unit. Rather, I question the seemingly sacred assumption that if a soldier or unit possesses a high level of satisfaction, a high level of job performance is assured. This assumption has resulted in considerable effort and expense at job enrichment and employee benefits, with a resulting lack of analysis as to actually how military managers can cause their soldiers to perform. Again, military managers have given undue emphasis to higher salary as a cure for job dissatisfaction; with the related assumption that the increased satisfaction will cause higher or satisfactory performance. I question this assumption, and recommend the salary-satisfaction question for further research and analysis.

However, due to the considered "obvious" connection between soldier satisfaction and rate of absenteeism (AWOL), the military leader is probably more excusable in this practice than is his civilian counterpart. For the military leader, a high rate of AWOL reflects on his "leadership"

ability, whereas for the civilian manager, high worker: absenteeism can more readily be seen as caused by distasteful characteristics of the job or less-than-admirable ambition of the workers.

The importance of worker satisfaction cannot be denied. For a worker to provide a sustained level of satisfactory or high performance,

I believe that he/she must have at least an acceptable level of satisfaction. However, studies attempting to get at the ultimate goal of PERFORMANCE through the unobservable state of mind SATISFACTION, are inconclusive in that my literature search indicated no cause-effect connection between these two variables. If satisfaction is correlated with performance, one does not necessarily preceed the other. In other words, it is just as tenable for satisfaction to be a result of high performance as vice-versa. Further, satisfaction and high performance may be caused by still other variables. It appears that most of the motivational research to date has at best given the manager some guidance as to how to have HAPPY workers, but very little advice as to how to predict and influence the very activity for which the worker is paid: PERFORMANCE.

In attempting to at least partially fill the above void, I developed a questionnaire of human/job factors based on Herzberg's Motivation-Hygiene (or Two-Factor) Theory and Lawler's Expectancy-Valence Theory. These two theories are fully covered in Chapter II. This questionnaire is sub-divided into four sub-scales: Motivators (Herzberg's Motivation-Hygiene Theory), Hygienes (Herzberg), Relatives (Herzberg's relations with others) and Expectancy-Valence questions. This survey device provides for a soldier to register his/her degree of agreement

with each human/job factor on a scale of 1 to 9. Also, the soldier's immediate supervisor rates the soldier's level of performance on a 1 to 9 scale, and reports the number of times during the preceeding month that the soldier has been absent from the job without proper excuse. The soldiers' and supervisors' responses are analyzed as outlined in subproblems 1 through 10 below. This analysis gets at a direct correlation between a soldier's rated performance and his/her perceptions of various human/job factors, without being routed through an unobservable state of mind such as satisfaction or morale. The research device and procedure are further explained in Chapter III, RESEARCH METHOD. I emphasise that although I make opinion observations as to possible/probable causation at each step of analysis, the purpose of this thesis is to identify significant correlations which can be used by military managers.

They are divided into the three Army disciplines of: Combat Arms (49),

Combat Support (51) and Combat Service Support (56). This structure

allows an extensive analysis among the three disciplines, four subscales of response (Motivators, Hygienes, etc.), performance ratings,

and rate of AWOL. Each step of analysis is described in subproblems 1

through 10 below.

#### PROBLEM

The purpose of this study is to determine whether, and to what extent, soldiers' perceptions of various human/job factors (on their present

jobs) are related to their performance level (on their present jobs) and AWOL rate.

- . <u>First Subproblem</u>. How do soldiers' overall level of response correlate with their rated level of performance?
- . Second Subproblem. How do soldiers' level of response, on each question, correlate with their rated level of performance?
- . Third Subproblem. How do soldiers' level of response, on each question, by discipline, correlate with their rated level of performance?
- Fourth Subproblem. How do soldiers' level of performance correlate with level of response, by sub-scale?
- . <u>Fifth Subproblem</u>. How do soldiers, as a discipline, compare as to overall level of response?
- . Sixth Subproblem. How do soldiers, as a discipline, compare as to level of response within sub-scale?
- . Seventh Supproblem. How does AWOL level relate to overall level of response?
- . Eighth Subproblem. How does AWOL level relate to level of response by sub-scale?
- . Ninth Subproblem. How does level of performance relate to level of AWOL?
- . Tenth Subproblem. What are the correlations among the 18 questions as to level of response?

#### HYPOTHESES

- . First Hypothesis. That soldiers' overall level of response is positively correlated with their level of performance.
- . Second Hypothesis. That soldiers' level of response, on each question, is positively correlated with their level of performance.
- . Third Hypothes's. That soldiers' level of response, on each question, by discipline, is positively correlated with their rated level of performance.
- . Fourth Hypothesic. That soldiers' level of performance is positively correlated with level of response, by sub-scale.
- . Fifth Hypothesis. That there are no significant differences among disciplines as to level of response.
- . Sixth Hypoxhosis. That there is no significant difference among disciplines as to level of response, within each sub-scale.
- . Seventh dypothesis. That there is a negative correlation between AWOL and overall level of responses.
- between AWOL level and response level within each sub-scale.
- . Ninth hypothesis. That there is a negative correlation between level of performance and level of AWOL.
- . Tenth Hypoths. That there is a positive correlation among the 18 questions.

#### SKOTTNT TATLET

The study will not attempt to appoulate as to the soldiers' state of mind (matturaction, morale, etc.).

The study will be limited to soldiers in grades El through E4, performing a job which lends itself to evaluation of quantity and quality of performance. This grade limitation is because I am focusing on "worker" motivation rather than supervisor motivation.

The study will not automat to analyse performance by managerial or supervisory personnel.

The study will not attempt to associate AWOL with turn-over of personnel (soldiers who do not re-emils), because it is unsafe to assume that these two types of behavior are caused by the same variable(s).

The study wall analyze the performance of soldiers in a "peacetime" environment, under cinetated combit conditions, at best. Therefore,
the study results may not be careetly applicable to a combit situation.

#### EMPLEMENT OF WELLERS

· Parlomance. A momentument of quantity, quality and reliability of output. With full consideration of past speculation as to the difficulty of assigning an overall purformance rating, considering the varying demands of different jobs (creativity, physical endurance, unquestioning obsdicate, every, I believe most supervisors can, without difficulty, clearly differentiable among their subordinates as to overall performance.

.Absenteeism. Unscheduled/unexcused absence from the job for more than one-half day without a legitimate reason (emergency, accident, etc.). Absenteeism is used synonoymously with AWOL (absent without leave).

- . <u>Human/Job Factors</u>. Aspects of the job and the total work environment that potentially affect performance. These are primarily the factors in Herzberg's Motivation-Hygiene Theory and Lawler's Expectancy/Valence Theory.
- . He/She. Throughout this thesis I attempt to refer to soldiers neutrally as to sex. In any case, regardless of whether I refer to soldiers as he, she, or he/she, I am speaking of male and female soldiers.
- . Commander/Manager. There are many terms such as commander, manager, supervisor, etc. that I consider interchangeable for my purposes in this thesis. Regardless of whether I use commanders, managers, or commanders/managers, I am referring to the commissioned or non-commissioned officers who are responsible for the supervision and/or management of subordinate enlisted soldiers.

#### AUCUMPTION

That all subjects are montarly "stable" and relatively consistent in their attitudes for the duration of their tour of duty. This means that the one-time sample will be a fair approximation of the soldiers' perceptions, performance and absenteelsm.

#### THESIS STRUCTURE

Chapter I provides an overview of the evolution of psychological theories on motivation, managerial models and outlines the problem and hypotheses.

Chapter II provides a survey of current motivation theories and related studies.

Chapter III explains the derivation of human/job factors, structure of the questionnaire and procedures used in performing the survey.

Chapter IV describes the step-by-step analysis of sub-problems
I through 10 and testing Hypotheses 1 through 10.

Chapter V discusses the results of the Chapter IV data analysis to include interpretation/opinion as to the meaning of significant correlations and recommendations for future study.

#### Charan II

#### LI THE TOTAL REVIEW

#### CHENTERAL

Because of the great number of theories and research studies in the area of motivation, I have restricted the scope of this literature review to theories and studies which have apparent relevance to behavior in formal organizations. I have intentionally skirted the vast pool of work by personality theories, clanical psychologists, and psychoanalysts whose writings cassed be directly related to behavior in the work place.

My approach is to wiret survey those motivation theories that apply to the work elecation, and second, to analyze the estimaction-performance order-of-appearance controversy. For most research which has attempted to relate satisfaction to performance, the questions of whether satisfaction elecate performance, performance causes satisfaction, or both are caused by a separate vertical (a) has been the central issue. However, as explained in Chapters I (Introduction) and III (hesearch Method), the analysis of permany's rescarch in this thesis focuses on correlations between personated and my sensor and than on order-of-appearance between personate and my sensor vertable(s).

#### TEMPATES

The direction, energization, and pereistence of work-related behavior is approached by many theoretical formulations under two broad categories. The first category of theories are concerned with the CONTENT of motivation and attempt to identify factors in the individual, his environment, or his behavior as he doals with his environment. They ask the question: What is it that motivates people? The other major grouping of theories explain behavior from the aspect of expectancy and equity PROCESSES, by which the content factors influence behavior. They ask the question: HOW do environmental factors and individual needs determine behavior? Although this distinction is useful in classifying and discussing motivation theories, it should not be carried too far because the separation is sure one of degree than of kind. That is, although content theories emphasize the WHAY of motivation, they also touch on process as wells and distincts process theorytes emphasize the HOW of motivation, they also concer constant pleasants. In any case, I use this grouping (Combont theories a rivease theories) in identifying theories and associated research. Now a lour at motivation theories.

# Need Hierarchy Thomas (Season)

From its introduction by Abraham declar in the mid-1940s (Maslow, 1943, 1954) until the last hypology and mod incountry Theory was primarily in the reals of chimical psychology. However, as more attention was focused on the role of metavourch at north, the meed Micrarchy emerged as a popular model of human behaviour.

Maniow viewed the human as a "wanting annual", motivated by destre to satisfy cortain aposities types of means. Eased on his observations, Maslow classified human model in order of operate as:

PHYSIOLOGECAN moders, machinist who need for food, water, air, etc.

SAFETY needs or the hood for acceraty, stability, and the absence from pain, threat or illinose.

BELONGINGWISS and LOVE Louds.

ESTEEN needs, michigany book a need for personal feelings of achievament or pelit-debete, and alless a mode for recognition or respect from others.

The most for the realization of each or parameters.

unsatisfied produce equality and a survivalent three local them to behave in a way calculated to make the most and a subtiviously force and it satisfies, at local call, of any one a subtiviously force until it again becomes manifest. For cally or, the interactly of needs may act on a person as follows. A person and has not cover in several days becomes obsessed with the thought of feet or the about the again become can become motivator. After the mostival and feet or the arrows are person from extreme pain.

Only after the firms two reveals of most are satisfied can a person than turn his attention and offers to the "hagser" needs of belongingness,

exist in a minurally of proportion (proportion) than the higher or less basic media media.

Maslow's theory has reserved and escention over the years, and has appeared to be "impulsively obvious", accepted, aspirical verification attempts were not made for sowned years. The difficulty of not having sufficient longitudinal data as thought by some to preclude conclusive results. In the 1970 resonant of the amorty, accepted indicates that the entire hierarchy and some as and a language to unfold, half and Nougain (1968) suggest that poople properties at the analysistic gradually through their entire life. When a many the analysistic and ifferent needs become important to them. Then he are subtained, but in story is any to account have to face. As thall and found the Cayon, by any

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hypothesis had been that more successful executives will have high scores, it would have been supported with a moderate level of confidence (p < .l.).

- . Third livinthurin. More successful executives will have high acores in need for power. This hypothesis was supported with a very high degree of confidence (p < .01).
- . The final three hypotheses relating success in business to need for autonomy, aggression and deference were not supported.

As pointed out by Cummin, the findings concerning need for achievement are probably the most notaworthy. This finding not only supported McClelland's strong association between need for achievement and entrepreneurial success, but was shown to be related to success in a much more diviersified sample of the business population. This result was a considerable expansion in that the term "entrepreneurial" applies to only a small portion of businessmen.

Another important result of this study is validation of the hypothesis concerning the relationship between need for power and success. This finding suggests that need for achievement alone is not the sole criterion for differentiating more or less successful executives. That is, successful executives have a need for increased responsibility and control within the organization. Therefore, according to Cummin, the typically successful business executive is the individual who is dedicated to a high standard of excellence in his work and seeks to assume greater responsibilities and more control over his environment as he advances.

The potential here is obvious. By identifying and learning to influence particular expectancies and incentives associated with a motive network, it is possible to strengthen the argused motivation or behavior tendency. The implications for management are that managers who must fit the demands of a job to a pattern of behavior, may be able to selectively arouse latent needs to make the employee, or potential employee, more nearly fit the job.

# Motivation-Hygiene Theory (Content)

Fredrick Hersberg began with the age-old question: How do you motivate employees? In his search for an answer to this question, Hersberg reviewed such positive "KITA" (kick in the ass) as reducing time spent on the job, increasing fringe benefits, human relations training, sensitivity training, efforts at two-way communications training, job participation, and employee counselling.

As a result of this effort and his motivation research with 200 engineers and accountants, Herzberg devised what has come to be one of the most popular and most replicated studies in the field of job attitudes. Hersberg's theory has been known as the motivation-hygiene theory, dual-factor theory and the two-factor theory. For the remainder of this thesis I will use the name motivation-hygiene theory.

Herzberg and his associates (Herzberg, Mausner, Peterson and Capwell, 1957) began their initial work on factors affecting work motivation in the mid-1950s. He proposed that jeb satisfaction is not the opposite of job dissatisfaction and vice-versa. That is, the opposite

of job satisfaction is not job dissatisfaction, but no job satisfaction; and the opposite of job dissatisfaction is not job satisfaction, but no dissatisfaction. This proposal included two categories of factors: One set of factors deals with the animal nature of man—the built—in drive to avoid pain from the environment (Dissatisfaction); and the other set of factors concern the human need to achieve and to experience psychological growth (satisfaction).

. Notivators or Satisfiers: Achievement

Recognition

Work Itself

Responsibility

Advancement

Growth

. Hygienes or Dissatisfiers: Company Policy & Administration

Supervision

Relationship With Supervisor

Work Conditions

Salary

Relationship With Peers

Personal Life

Relationship With Subordinates

Status

Security

In this initial study, Herzberg and his associates interviewed 203 accountants and engineers and asked them to describe specific instances when they felt exceptionally good or exceptionally bad about their jobs. Upon analyzing the content of these critical incidents, it was found that the good critical incidents were dominated by reference to intrinsic aspects of the job (motivators), while the bad critical incidents were dominated by reference to extrinsic factors (hygienes).

According to Steers and Porter (1975, p. 88), "One of the most significant contributions of Herzberg's work was the tremendous impact it had on stimulating thought, research and experimentation on the topic of motivation at work". The small amount of research done before 1959 was primarily concerned with laboratory-based findings or clinical observations, none directly addressing the problems of the workplace. Herzberg's work began to fill this void.

After this original study, a considerable number of empirical studies designed to test the validity of the motivation-hygiene theory were published and a heated controversy developed between supporters and critics of the theory. According to Nathan King (Steers and Porter, 1975, p. 116), the major portion of the controversy was caused by the lack of an explicit statement of the theory. The five versions of the theory are:

- I. All motivators combined contribute more to job satisfaction than to job dissatisfaction, and all hygienes combined contribute more to dissatisfaction than to satisfaction.
- II. All motivators combined contribute more to satisfaction than do all hygienes combined, and all hygienes combined contribute more to dissatisfaction than do all motivators combined.

- III. Each motivator contributes more to satisfaction than to dissatisfaction, and each hygiene contributes more to dissatisfaction than to satisfaction.
- IV. Theory III holds, and in addition, each principal motivator contributes more to satisfaction than does any hygiene, and each principal hygiene contributes more to dissatisfaction than does any motivator.
- V. Only motivators determine satisfaction, and only hygienes determine dissat afaction.

Of the subsequent studies dealing with various aspects of the motivation-hygiene theory, Herzberg (1966) reviewed nine. He found all nine studies supporting theory I and five supporting theories II and III. He found no relevant empirical studies to support either theory IV or theory V.

In consideration of all relevant empirical studies to date, Nathan King (Steers and Porter, 1975, p. 131) concluded:

- 1. Theory I, although being supported by the Herzberg-type studies and the subject-coded studies, has not been adequately tested in studies where the determinants of satisfaction and dissatisfaction were measured by techniques other than direct self-report. It is thus possible that Theory I merely reflects defensive biases inherent in such self-report measures.
- 2. Theory II has not been adequately tested in studies other than the Hersberg-type critical incident studies. It is thus possible that Theory II merely reflects experimenter coding biases or defensive biases inherent in the self-report measures.
- 3. Theory III, being supported by the Hersberg-type studies but not by the subject-coded studies, merely reflects experimenter coding biases.

The following table summarises six studies (1,220 subjects) reported by Hersberg (1966, p. 109):

| FACTOR                    | Satisfier | <b>DISSATISFIE</b> R |
|---------------------------|-----------|----------------------|
| Achievement               | 110       | 122                  |
| Recognition               | 309       | 110                  |
| Advancement               | 126       | 48                   |
| Responsibility            | 168       | 35                   |
| Work Itself               | 175       | 75                   |
| Policy and Administration | 55        | 337                  |
| Supervision               | 22        | 182                  |
| Work Conditions           | 20        | 108                  |
| Relations With Superior   | 15        | 59                   |
| Relations With Peers      | 9         | 57                   |

In the above table, the number under Satisfier is the number of subjects, of the 1,220 total, who remembered a satisfying critical incident relating to the factor in the left column. The same applies to the column under Dissatisfier.

### Equity Theory (Process)

This second type of motivational theory is the cognitive process underlying feelings of equity or inequity that result from the comparison of what one gives to a social exchange situation (input) and what one gets from it (outcome), further compared to similar inputs and outcomes of others. Variations under the overall category of EQUITY Theory have included the "Cognitive Dissonance" Theory (Festinger, 1957; Heider,

1958), "Distributive Justice" or "Exchange" Theory (Nomane, 1961; Jacques, 1961; Patchen, 1961) and "Equity" or "Inequity" Theory (Adams, 1963, Industrial Relations), and (Weick, 1964). Although there is some variation among sub-theories, the general thrust of them all is that a major determinant of job performance and satisfaction is the degree of equity, or inequity, that an individual perceives in a work situation.

The theory presents two basic postulates and various ways by which the person may achieve equity. First, the postulates: (1) that the presence of inequity in a person creates tension in him proportional to the magnitude of inequity present, and (2) that the tension created in the person will motivate him to climinate or reduce it. The strength of this motivation is proportional to the tension created. For methods of reducing the inequity, a person may:

- . Increase his imputs if they are low in relation to either his own outcomes or in relation to Other's imput-cutome ratio.
- . Decrease his inputs if they are high in relation to either his cwn outcomes or in relation to Other's input-outcome ratio.
- . Increase his outcomes if they are low in relation to his own inputs or in relation to Other's outcome-input ratio.
- . Decrease his outcomes if they are high in relation to his cwn inputs or in relation to Other's outcome-input ratio.
- . "Leave the field." This could take the form of quitting a job, obtaining a transfer or absenteeism.

- . Act on Other. This may range from cognitively distorting the input-outcome ratio of others to obtain a better balance, to causing Other to leave the field.
  - . Change the referent Other.

Since the early 1960s there have been many studies of various aspects of this theory. In particular, a large number of studies have been about the dynamics of employees in the categories of "overpaid-hourly", "overpaid-piece work", "underpaid-hourly", and "underpaid-piece work". The format for these studies has generally been that the experimenter, posing as an employer, advertises for persons interested in part-time work. The experimenter creates the inequity induction by paying the subject more or less than the going rate, or by paying more or less than the going rate plus telling the subject that his/her qualifications for the job are lower than a comparison Other receiving the same pay. The subject performs the tasks and is rated as to quality and quantity of performance. The four categories of employees, with their projected mode of correcting inequality are:

- . Overpaid-Hourly. The basic hypothesis is that overpaid subjects will raise their inputs by producing more as a means of reducing inequity.
- . Overpaid-Piece Rate. The basic hypothesis is that overpaid subjects will produce higher quality and lower quantity than equitably paid subjects. The assumption is that overpaid subjects will increase their inputs to achieve equity. Theoretically these inputs lead to an increase in either quantity or quality of output, but increases in

quantity can only increase inequality because every unit is overpaid.

Therefore inputs are increased as to quality, and outcomes per unit achieve a balance.

. <u>Undermaid-Hourly</u>. The basic hypothesis is that undermaid subjects decrease their inputs to achieve an input-outcome balance.

Attempts to test this hypothesis have resulted in mixed findings.

.Undernaid-Fiere Rate. The basic hypothesis is that underpaid subjects will produce a large number of low quality outputs because the production of low quality outputs permits increasing outcomes without substantially increasing inputs.

Generally, all four hypotheses were supported by a volume of studies. However, this is not to imply that the above conditional hypotheses are a fool-proof way of predicting behavior. There are still many confounding elements in the way of doing this, not the least of which are the great variations in employee perception as to what in fact is a subjective equity or inequity. A further question is, exactly how is the referent Other selected? For example, does the referent Other change for a person from situation to situation? Can the ideal self be the Other? And finally, what are the determinants of the choice of the referent Other? The questions regarding the referent Other are crucial because any speculation as to how an individual will view a future work situation will largely hinge on who he/she selects as the referent Other.

# Expectancy-Valence Theory (Process)

Since expectancy theories differ somewhat in their definitions of major terms and outcomes, the approach here is to identify the major versions of the expectancy theory by proponent, with a brief summary as to research done.

Expectancy theory is also identified under several names, including Instrumentality Theory, Path-Goal Theory, Valence-Instrumentality-Expectancy (VIE) Theory, and Expectancy-Value Theory. I will use the term Expectancy-Valence because I believe it more descriptive of the two major variables. Specifically, according to the theory, the subject keye on an expectancy of an anticipated goal (VALUE) rather than on a realised goal (VALUE).

Expectancy-Valence theories have their roots in the early work of E. C. Tolman and Kurt Lewin. Tolman (1932) discussed "expectations" and began pushing for a more cognitively oriented approach. Also, Lewin (1938) presented a cognitively oriented theory of behavior including such terms as "valence" and "force". Out of this basic work by Tolman and Lewin came a number of very similar theories. However they all seem to agree on some basic propositions such that valence and expectancy combine multiplicatively to determine behavior. That is, most theorists maintain that the strength of a tendency to act in a certain way depends on the strength of an expectancy that the act will be followed by a specific consequence (outcome) and on the value or attractiveness of that consequence to the subject.

Vroom (1964) proposed the most frequently cited expectancy theory of work motivation. Vroom begins with the basic assumption that, at any

given time, a person prince some outcomes over others; that preference refers to a relationinip between the strangth of a person's desire for. or attraction toward, two outcomes. Vroom further emphasized the distinction between valence and value (p. 15), "An individual may desire an object but derive little satisfaction from its attainment -- or he may strive to avoid un object which he later finds to be quite satisfying." Further. means acquire valunce as a result of their expected relationship to ends. Vroom defines expectancy in the individual's belief that some particular outcome will probably folded some behavior. This belief can vary from certainty that the outcome will follow the behavior (subjective probability of 1.0) to certainly that it will not (subjective probability of 0.0). Vroom's third vacuable local is defined as a directional result of the combination of values and apportuncy. Vroom's variables are related such that: Probetalisty of community w Expectancy x Valence (where valence is instrumentally a valuable. Or as defined by Vroca (1964), the following propositions sessitually compacture the body of his theory:

Proposition in the control of the algebraic sum of the products of the valences and his conceptions of its instrumentality in the acceptance of these other outcomes. (p. 17)

Proposition of the leave on a person to perform an act is a monotonically and the products of the valences of the execution and the strength of his expectances that the act is act the actainment of those outcomes. (p. 18)

Graen (1969) autompted to taparove Vrocal's model by further analyzing "outcomes" as they percain to a work role such as "effective performer", "manager", and "group member". He posits that whether or not a person is performing in accordance with any particular role can be

determined by comparing his behavior to standards of role performance which may be either explicitly or implicitly stated. Graen also defines three classes of outcomes that result from the successful performance roles. One class involves intrinsic rewards such as feelings of achievement after having accomplished some self-valued task. A second class of role outcomes are extermally mediated by some significant Other such as a supervisor who controls such things as pay or promotion. The third class of outcomes is automatic with the work role. These include such outcomes as status in the community associated with the role of "top executive".

Porter and Lawler (1968) propose that the amount of effort exerted toward job performance depends on how much a person prefers likely outcomes of effective performance (value of reward) and how much he believes the outcomes follow the exertion of effort (effort - reward probability).

Or as summarized by Adward Lawler III (Lawler, Koplin, Young and Fadem, 1968, p. 268):

An individual's matriculational force to perform where  $E = P = \exp \operatorname{ctancy}$  that a grown effort (E) will result in a desired performance (P). This can be indiamonally such variables as self-esteem, past experience in similar circultions, the actual situation and communications from others.

P = 0 a expendition that a given performance will lead to a desired outcome (f). Note that is an included by such variables as past experience in small and those, attractiveness of outcomes, actual situation and E = 0 apperience.

Valence \* ... this will ablatable non-linear encapeared with value, which is accept autisfaction. Valence ranges from +1 (attraction) to -1 (avoidance).

Campbell, Dunnette, Lawler & Weick (1970) and Heneman & Schwab (1972) provide an extensive review of research on expectancy-valence

theory. These reviews generally conclude that Vroom's theory, and later modifications, are empirically supported. The two studies described below give a feel for the type results found.

A typical study using expectancy theory to generate predictions of how hard employees work on the job was conducted in 1963 using measurement techniques adapted from the attitude theory of Fishbein (Hackman and Porter, 1968). The setting for the study was three comparable-size offices of a telephone company. Subjects were 82 female service representatives working at these offices who had been on the job for more than three months. The secondaries were designed to determine employees' perception of the compagnences of "working hard" on the job. Some of the statements were:

- a sense of completion and accomplishment at the end of the day.
- . If a person works hard on the job, she is likely to receive more compliments and praise from her supervisor.
- . If a person words nard on the job, she is likely to receive a promotion more quickly.

In this scudy, work effectiveness was meant to be work quantity, hence work quality was monitored only from the aspect of error rate. The study resulted in the employees' expectancy correlating positively (r=.40, p<.01) with a composite criterion of work effectiveness and negatively with employee error rate, in support of the expectancy-valence theory.

A second variation of the Vroom basic expectancy model was proposed by Campbell, Lannette, Lawler and Weick (1970). In this "hybrid expectancy model" they address the need for more explicitly defined performance goals, and discuss task goals as to being established either externally by the person's work group or internally by the individual himself. Some example, of these task goals are production quotas, quality standards, and project time limits.

campbell et al. also distinguish what they term first-level and second-level outcomes. First-level outcomes are directly contingent on effective performance resulting in accomplishment of task goals. These first-level outcomes can be either internal, e.g. the intrinsic rewards of growth and feelings of achievement, or external, such as the extrinsic rewards of job security paying promotion. Second-level outcomes, such as housing, food, commenter, shows and freedom from anxiety are attained as a result of realizating first-level outcomes.

It is obvious at this point that Vroom's original model has received considerable that whe some modification. However, these modifications have not all model the basic relationships he proposed: That the product of valence limit expectancy is directly and causally related to level of performance.

Carrying on the Mark Miles of expectancy-valence, Guorgopoulas, Mahoney and Jones (2007) through Make they termed "Instrumentality Theory" in an industrial secting. They obtained measures of the perceived instrumentality of high and low-need groups based on their ranking of three of these goals: "Making money in the long run"; "getting along well

with the work group", and "promotion to a higher base rate". The measurs of productivity was based on adopact reports of the percentage above or below the company-set standard they had reached. Finally, the workers were divided through in new freedom groups on the basis of their freedom to set their communications. They found that: First, high productivity was associated with the perception that high productivity leads to each of the three goals in question; second, for those workers who ranked the goals us important to their the reseastments portwoon perceived instrumentslity and productivity was sagnificantly nigher for those classified as free: and finally, those workers who were both free and had a high need on an item showed a stronger remaillenship between perceived instrumentality and productivity then all workers with any other combination of these two factors. The George white or all study supports the hypothesis that productivity to relation to large torceived instrumentality toward the attainment of golds, and that appropriation to the goals and freedom of action mediate this relationship.

# Suttefaction - Por her ass Surfaces

After having reviewed the major theories and research in motivation, we now have a perspective as to state-of-the-art in influencing motivation and the necessary . Samplary for approaching the crucial question of: What is the account with a harmy retween job attitude and job behavior?

Managers and organizational researchers have been interested in this relationship since at least the human relations movement of the 1930s. However, in those days the relationship was not a question, because it was

generally assumed that job satisfaction "caused" improved job performance. The managerial marching order seemed simple: Keep your employees satis [Acci]. This rather complaisant approach was interrupted primarily by two works? Brayfield and Crockett (1955, p. 396) concluded that "... little evidence existed of any simple or even appreciable relation between job satisfaction and resulting performance"; and Vroom (1964) analyzed twenty studies that measured satisfaction and performance and found that the two variables had a median correlation of only .14. These works actually sparked the satisfaction-performance controversy which eventually led to the three competing hypotheses: (1) satisfaction leads to performance; (2) satisfaction and performance are commonship unrelated and are each caused by a third (or more) set of image. Monthly unrelated and are each caused by a third (or more) set of image. Monthly unrelated and (3) performance leads to satisfaction.

First, the hypothesis that satisfaction leads to performance.

This hypothesis has of course received its primary support from the human relations school of same and motivation.

of a current formulation of the subjection-leads-to-performance idea.

As mentioned earlier, this has been one of the most replicated theories ever, movever, the manyout in that all of the replications analyzed job satisfaction and with accomplication to ends in themselves, and/or their relationship to each other, but not now either relates to performance.

Therefore, as viewed by most researchers, the empirical validity of the satisfaction-performance relationship specified in Hersberg's theory rests entirely on the original study of 203 accountants and engineers.

Expectancy/valence theories such as Vroom's should also be prime candidates for getting at the satisfaction-performance question, since it should follow from his theory that the force exerted on an employee to remain on the job is an increasing function of the valence of the job. However Vroom's review of twenty-three field studies investigating the relationship between satisfaction and performance revealed a median correlation of .14. This means that satisfaction explained less than 2 percent of the variance in performance.

Some of the reasons for the widespread acceptance of the satisfaction-causes-performance proposition are intuitively obvious. Acceptance of the idea is the path of least resistance for the manager, for it is far more pleasant to increase an employee's happiness than to deal directly with his performance when a performance problem exists. High job satisfaction and high performance are both good. Therefore, it is assumed that they are related since "all good things go together".

As doubt began to appear about the widely accepted interpretation, William G. Scott (1962, p. 93) stated the problem as such: "...high morale is no longer considered as a prerequisite of high productivity. But more than this, the nature of the relationship between morale and productivity is open to serious questioning. Is it direct? Is it inverse? Is it circular? Or is there any relationship at all between the two; are they independent variables?"

The crowning blow to the universal acceptance of this proposition seems to have been provided by the previously mentioned analysis of Byayfield and Crockett (1955). Their fifty-study review left little doubt as to the uncertainty of the satisfaction-performance connection.

Next, we have the proposition that performance and satisfaction are caused by other variables. This is not truly a separate category in that the primary model by march and Simon actually hypothesized that:

(Steers and Porter, 1575, p. 229) "Motivation to produce stems from a present or anticipated state of discontent and a perception of a direct connection between individual production and a new state of satisfaction."

This hypothesis is that performance is a function of two variables:

(1) degree of satisfaction experienced, and (2) perceived instrumentality of performance for the attainment of valued rewards. While this model indicates that both dissatisfaction and instrumentality may affect amplitude and direction of performance, it provides the possibility that a dissatisfied employee may not see performance as leading to satisfaction, or he/she may even see nonperformance as leading to greater satisfaction.

March and Simon do not discount all connection between satisfaction and performance. However, they propose that the linkage will be weaker than with the other two propositions (satisfaction) performance, or performance > satisfaction) due to one or a combination of the following:

(1) job satisfaction may result from rewards not based on performance;

(2) even if the employee chooses the desired performance, the resulting reward will not necessarily match the anticipated reward; and (3) during the delay from behavior to reward, the worker's level of aspiration may be raised enough to about than compensate for the reward value, leaving the worker at least as disastisfied as before the performance. With March and Simon, the question of if and how the subject will perform is primarily a matter of interaction between the levels of expected value of rewards and aspiration levels

Finally, we have the proposition that performance causes satisfaction. The most prominent model here is provided by Porter and Lawler (1968). They provide a model that posits circularity between performance and satisfaction; however, the most direct linkage gives performance as the causal variable and satisfaction as the dependent variable. The model is structured as follows:

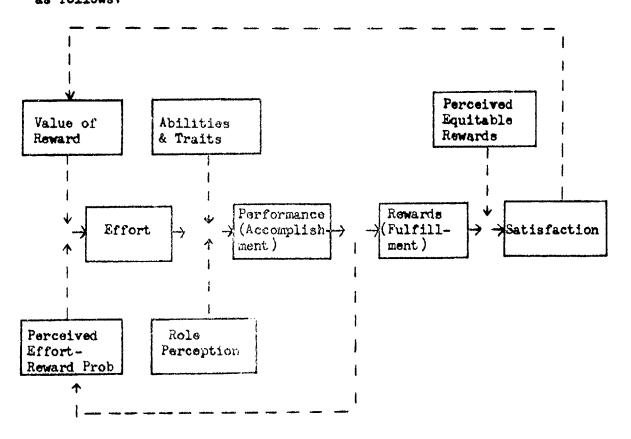


Figure 1. Performance - Satisfaction. (Steers and Porter, Motivation and Work Behavior, New York: McCraw-Hill, Inc., 1975, p. 232)

Note that for satisfaction to influence performance, it must affect the value of the rewards received, which in turn interacts with the perceived effort-reward linkage to determine level of work effort. Therefore, effort moderated by role perceptions, abilities and traits determine performance. Porter and Lawler conclude that due to the number of intervening variables, it seems unlikely that satisfaction (or dissatisfaction) has as much impact on performance as performance has on satisfaction.

In conclusion, regardless of personal preference as to motivation theories and ideas, one point seems clear: Satisfaction and performance studied alone or togsener, are associated with many covariates. This indicates that research has not accounted for a sufficient number of the variables that may affect the strength and direction of motivation. or that they have not been adequately associated with performance. In considering the impact of the foregoing on the manager-employee relationship. 1 agree with Charles N. Green (in Steers and Porter, 1975, p. 253): "It is apparent that the manager whose objective is to significantly improve his subordinates' performance, has a difficult but by no means impossible task. The path of least resistance-that is, increasing subordinates' satisfaction -simply will not work". However, this does not mean that rewards are not a necessary factor in movination. Appropriate performance-reward contingencies will result in improved performance, if such improvement is not restricted by ability, direction problems, or by performance obstacles. Use of differential rewards may require courage by the manager, but failure to use these rewards will have far more negative consequences.

## Motivation Theory in Parapartive

Motivation is defined as that which energises, directs, and austains behavior. Those variables can be found at three levels in the organizational setting. First, some are unique to the individual (attitudes, interests, specific needs, etc.). Second, other variables stem from the nature of the job (degree of control over the job, level of responsibility, etc.). Third, still other variables such as peer group relations, supervisory practices, systemwide rewards and organizational climate were found in the larger work situation or organizational environment. Further, it was emphasized that instead of viewing these variables as three static lists of items, considerations must be given to how they affect one another and change over time in response to circumstances. In other words, a systems approach is necessary to fully understand the dynamics of the metivational situation. The individual was seen as being in a constant state of Thux in relation to motivational direction and level, based on the nature, strength and interactive effects of these three groups of variables.

An analysis of data presented reveals that several INDIVIDUAL characteristics can represent a significant influence on employee performance. For example, there is good evadence that individuals who have a high need for achievement generally perform better than those with a low need (Cummin, 1967). Other evidence (Steers & Porter, 1975) indicates that persons who have strong negative attitudes toward an organization are less likely to get involved in organizational activities. Locke and his associates (Locke, Cartledge and Knerr, 1970) provide laboratory evidence that personal

performance. Finally, Adams (1905) and others found that perceived inequity in a job situation was clearly associated with changes (up or down) in performance levels. While the list of examples could go on, these are representative of the findings that generally support the charges that personal characteristics unique to an individual can have a significant impact on his/her work behavior.

characteristics. Lawler (1909), hulen (1971), Steers and Porter (1974), and others have presented evidence showing that variation in the nature of the task itself can influence performance and satisfaction. However, these considerations must be tempered with considerations of individual characteristics. For example, several studies found that "enriching" employees Jobs or given, ence more variety, autonomy and responsibility tended to result in improved performance. However, much stronger evidence emerged when individual considerations were considered. It appears that not everyone wants, as common to the same degree, an "enriched" job, nor does everyone perform better when assigned to one. Consideration must be given to the characteristics of the individual such as whether, and to what degree, the worker has need for achievement, power, and so forth, when considering the job structure.

Finally, one auch consider the effect of WORK ENVIRONMENT on motivation and performance. Campbell et al. (1970) studied the available research as to the environmental impact and discussed the importance of such variables as group influence, leadership styles, and systemwide reward

structure as they relate to employee performance. But again we get back to the integrative nature of the problem. For example, it is possible that high group cohesion (a work environment characteristic) may be a more potent influence on behavior for a person with a high need for affiliation (an individual characteristic) than for a person with a low need for affiliation. Also, persons with a high need for achievement may care less about group cohesion than about economic rewards. In any case, for the work environment, as well as for the other two categories of variables, the most important point as that we study relationships among variables. rather than focus on one type of variable.

Of course, the usefulness of a theory or model is determined by the degree to which it can account for a wide diversity of variables, while at the same time integrating them into a cohesive, unifying framework. Such a theory should account for variables from the above areas of individual, job and work environment. At this point, without attempting to judge the five major theories as to their coverage of all important variables, I will briefly review each in light of the three categories of variables.

Atkinson (Achievement-Motivation) are primarily individual theories of motivation. While they do not satisfily ignors the job environment, the primary emphasis is on and with all characteristics. It is easy to see how job factors could play a major role in both models. For example, for employees with a strong need for Maslow's self-actualization, a work environment that meets this need could go far in increasing the employee's propensity to stay and participate. A similar proposal could be for

creating an achievement-oriented work environment for employees high on the McClelland-Atkinson need for achievement.

In contrast to the two major "need" theories which focused primarily on personal issues, Herzberg concentrated on the nature of tasks which the individual must perform. Herzberg considered that, although work environment is relevant, a much more important consideration is whether the employee perceives the job as providing recognition, advancement and achievement. Therefore Herzberg's emphasis was on job enrichment as the best way to increase satisfaction. Another aspect of Herzberg's contribution becomes clear in historical perspective.

Before his initial efforts in the late 1950s, most managers and researchers were considering only two categories of variables as potential sources of motivation and satisfaction. Taddividual variables by such theorists as Maslow and McClelland a Auminson; or the WORK ENVIRONMENT variables of supervisory relations, pay systems, etc. Herzberg, in effect, plugged in that very essential category while intrinsic aspects of the JOB itself.

Adam's theory of inequity keys on the relationship between individual characteristics (attribute toward inputs and outputs, tolerance for feelings of inequity, etc.) and the work environment, particularly systemwide reward practices. Adams does not deal with any category exclusively as in inclusion, his emphasizes the interactive effects among all relatest variables.

Finally, the expectancy-valence theory makes an attempt at covering all three categories of variables (individual, work environment

and the job) by dealing with the concept of perceived equitable reward and the necessity of recognizing variations in individual need strengths. It also acknowledges that people have different beliefs and expectations. Expectancy-valence theory covers job-related variables by pointing out, for example, that job storieutes may at times serve as sources of intrinsically valued rewards. This theory also focuses very explicitly on several work environment influences on performance, particularly those influences relating to reward structures. But again, this theory, as do most others, emphasizes the need for analyzing relationships among variables: for a full understanding of their impact on motivation and performance.

In summary, each of the theories has made its own significant contribution to the study of work motivation. It is apparent how much progress has been made since the time of Fredrick Taylor and scientific management. Managers no longer see money as the only motivator. Motivation study has also progressed since the human relations movement in that we no longer consider a satisfied worker a productive worker. In short, we live today in a complex society where employees have come to expect more from their jobs in the way of both intrinsic and extrinsic rewards. Further research is needed to develop new directions for satisfying both managerial demands for greater productivity and employee needs for increasingly meaningful work

#### ABSENTEEISM

While the thrust of this study is examining the satisfactionperformance question. I am also looking at absenteeism as it relates to
satisfaction. As explained in Chapters I & II, each subject's supervisor
indicates the numberref half-days AWOL during the previous month. I will
use this figure to determine correlations between AWOL, satisfaction and
performance.

Most research in this area has grouped absenteeism with turnover. Since 1950 there have been four major reviews of the literature dealing with turnover and absentseism: Brayfield & Crockett, 1955; Herzberg, Mausner, Peterson & Capwell, 1957; Vroom, 1964; and Schuh, 1967. These studies showed a considered negative relationship between job satisfaction and the propensity to leave (turnover). However they found a slightly less consistent negative relationship between job satisfaction and absenteeism.

An example of the type study reviewed is given by Hulin (1966). Two related studies investigating the impact of job satisfaction on turnover among female clear of workers, began by using the Job Descriptive Index as a measure of job satisfact. The studies matched each subject who subsequently left the company during the following year with two employees who stayed on the job. Significant differences were found between the "stayer" and the "leaver" groups as to mean satisfaction scores. Further, leavers could usually be predicted, based on their score on the attitude scale, as much as one year in advance.

The fact that most studies have grouped turnover and absenteeism, and that these variables have been negatively correlated with satisfaction on the job, led to my hypothesis concerning the relationship between job satisfaction and AWOL among U.S. Army soldiers. As stated in Chapter I, I did not approach the relationship between job satisfaction and turnover.

### CHAPTER III

### RESEARCH METHOD

As indicated in Chapters I and II above, theorists have approached motivation from almost every conceivable angle. I reviewed this work with the question: What variables are associated with behavior on the job-performance? The Need Hierarchy, Achievement Motivation and Equity Theories were helpful in gaining a perspective on the full range of human behavior, and behavior in the work place. However, these theories do not lend themselves to the narrow focus of this study. Therefore, as to what I consider to be a logical extension of past work, I chose the Expectancy-Valence and Motivation-Hygiene Theories for several reasons: First, the Expectancy--Valence Theory is a very direct approach to behavior, using the three variable: E - P, P - O and Valence as defined in Chapter II; and second, I believe that Herzberg's list of human/job factors are very good discriminators of job satisfaction and dissatisfaction. However, replications of Herzberg's theory focused on satisfaction rather than on performance as the ultimate goal.

Therefore, I have extracted the primary variables from both of these theories to construct a questionnaire as a research/survey device. The statements/questions, to be rated on a scale of 1 through 9 as to the subject's extent of agreement with each, are as follows:

- .1. My job performance gives me a sense of achievement.
- .2. This job allows me to gain the recognition I deserve for superior performance.

- .3. I onjoy doing my job.
- .4. My job allows me to assume as much responsibility as I want.
- .5. I feel that this job helps my advancement opportunities.
- .6. I feel that this job provides me an opportunity to develop my capabilities.
  - .?. I feel that company policy and administration is fair.
  - .8. I feel that company supervision is proficient and fair.
  - .9. I enjoy a good relationship with my supervisors.
  - .10. I consider my salary to be fair and adequate.
  - .11. I consider my working conditions to be adequate.
  - .12. I enjoy a good relationship with my fellow workers.
- .13. I feel that my personal life (home, family, etc.) help me do a good job.
  - .14. I am satisfied with the status my job provides me.
  - .15. My job provides a feeling of security.
  - .16. I feel that I am capable of doing my job well.
  - .17. If I do a good job I will be appropriately rewarded.
- .18. I feet that the Army's present policy of rewarding good performance is fair and adequate.

Note: The above questions are sub-scaled as follows: Motivators (1-6), Hygienes (7, 8, 10, 11, 14, 6, 15), Relations (9, 12 & 13), and Expectancy-Valence (16, 17 & 18).

Accompanying the above questionnaire for each subject is a form to be completed by the subject's immediate supervisor. This form has the supervisor's rating of the subject's past performance on a scale of 1 through

9, and indicates the number of half-days during the past month in which the subject has been absent from his/her job without a legitimate excuse (AWOL).

I am limiting the structure of the surveyed population to U.S.

Army soldiers (male and female) in the grades E-1 through E-4 because I

am focusing on workers rather than on managers. As to job category, there
is an approximate balance among the three U.S. Army disciplines: Combat

Arms = 49, Combat Support = 51, and Combat Service Support = 56.

Composition ranges from artillery and engineer soldiers in combat arms,
to signal and military police soldiers in combat support, to medical,
administrative and supply soldiers in combat service support. As to specific
subject selection, subjects were randomly selected from within units
stationed at Ft. Hood, Texas, Ft. Carson, Colorado, and Ft. Leavenworth,
Kansas.

Data from this survey is analyzed in Chapters IV and V to address the problem and ten sub-problems (Chapter I).

### CHAPTER IV

### DATA ANALYSIS

#### GENERAL

Chapter I describes the problem, with ten sub-problems, and ten corresponding hypotheses. To provide continuity from each sub-problem, thru each hypothesis, to analysis of data related to each question, this chapter is grouped into five categories of analysis which include the ten questions in sub-problem/hypothesis order.

#### RELATIONSHIP OF RESPONSE LEVEL TO PERFORMANCE

Question 1: How do subject's overall level of response correlate with their rated level of performance? This problem was addressed by entering each subject's composite response score (total of all 18 responses) and his/hor performance rating into the computation of the Pearson correlation (r) formula (two variables per subject). As predicted in Hypothesis 1, the resulting correlation was: r = .35, p < .001.

Question 2: How do subject's level of response, on each question, correlate with their rated level of performance? This was also addressed using the Pearson r whereby each subject's response on each question was entered with his/her performance rating. Again, as predicted in Hypothesis 2, there was a positive correlation between level of response and performance on all questions except question 12. Results are as shown in Table 1 below.

TABLE 1 Correlation Between Response Level on Each Question and Performance

| Questi | on Corre  | lation With Performance |
|--------|---|-------------------------|
| 1      |   | .22 <del>**</del>       |
| 2      |   | .26 <del>**</del>       |
| 3      |   | .19 <del>**</del>       |
| 4      | ه خود خود مود دود خود مود مود مود مود مود مود مود مود مود م   | .26 <del>4*</del>       |
| 5      |   | .21**                   |
| 6      |   | .16*                    |
| 7      | و الله الله فاله بهل طباه خلت الله فيه دوم مداه فقت هذه الله الله الله الله فيه بها من الله الله الله الله الله   | •22 <del>**</del>       |
| 8      |   | .19**                   |
| 9      |   | .21 <del>**</del>       |
| 10     | دوره هذه چوک چون موت ده دوره و دو<br>دوره و دوره و | .29 <del>**</del>       |
| 11     |   | .26 <del>**</del>       |
| 12     |   | .03                     |
| 13     | 190-190 gili 40-100 gili 190-190 (190-190-190 gili 190-190 ni 190-190 qili 190-190 gili 190-190 qili 190-190 gili   | .17*                    |
| 14     |   | •26 <del>**</del>       |
| 15     |   | .29**                   |
| 16     | talledad die fiele als die fals das das das das aus aus der der ver des ver unt des verseles des des aus eine<br>The fiele fiele fiele aus des des des des des des des des des de   | .26**                   |
| 17     |   | .21**                   |
| 18     |   | .19**                   |
|        |   |                         |

<sup>\*</sup>p < .05
\*\*p < .01

Question 3: How do subjects' level of response on each question, by discipline, correlate with their rated level of performance? This is a more detailed look at how each discipline's level of response are correlated (Pearson r) with their performance rating. As shown in Table 2 below, these results are more mixed than were the composite comparisons in Table 1. The most consistent support of Hypothesis 3 is in the discipline Combat Arms.

TABLE 2

Correlation Between Response Level on Each Question and Performance—By Discipline

| Question |                   | elation With Per |                  |
|----------|-------------------|------------------|------------------|
|          | CA                | CS .             | CSS              |
| ı        | .38##             | •02              | .16              |
| 2        | •37**             | .23*             | .08              |
| 3        | •3€ <del>##</del> | 08               | .07              |
| 4        | .46 <del>44</del> | .22              | .09              |
| 5        | •35 <del>**</del> | 03               | .18              |
| 6        | •36 <del>44</del> | 16               | .17              |
| 7        | .27*              | 04               | •30 <del>*</del> |
| 8        | •39 <del>*</del>  | 07               | .22              |
| 9        | •34 <del>44</del> | 06               | .19              |
| 10       | .30*              | .26*             | .21              |

<sup>\*</sup>p < .05

<sup>\*\*</sup>p < .01

CA - Combat Arms

CS = Combat Support

CSS = Combat Service Support

TABLE 2 (Continued) Correlation Between Response Level on Each Question and Performance--- By Discipline

| Question | Correla           | tion With Perfor | mance             |
|----------|-------------------|------------------|-------------------|
|          | CA                | CS               |                   |
| 11       | •27*              | .07              | .40**             |
| 12       | 06                | 08               | •30 <del>*</del>  |
| 13       | .17               | .05              | .17               |
| 14       | .43 <del>**</del> | .03              | .17               |
| 15       | .46**             | .01              | .24*              |
| 16       | .41**             | .03              | •34 <del>**</del> |
| 17       | .26*              | .07              | .29*              |
| 18       | .15               | •09              | .33**             |

<sup>\*</sup>p < .05
\*\*p < .01
CA = Combat Arms

CS = Combat Support

CSS = Combat Service Support

Question 4: How do disciplines' level of response within each sub-scale correlate with performance? This is a further breakdown of results by comparing disciplines as to how response levels within each sub-scale correlate with their rated performance. This computation uses, for each subject, the sum of responses within each sub-scale, as compared with performance level. The consistency of support for Hypothesis 4 by Combat Arms is not shared by the other disciplines. Results are as shown in Table 3 below.

TABLE 3

Correlation Between Response Level and Performance
By Sub-Scale

| Performance By | Cor               | relation k | ith Respon | se In             |
|----------------|-------------------|------------|------------|-------------------|
|                | М                 | Н          | R          | E                 |
| CA             | .48 <del>**</del> | .47**      | .24*       | .33**             |
| cs             | •34               | .07        | 03         | .08               |
| CSS            | .16               | ·37**      | .28*       | .41 <del>**</del> |

<sup>\*</sup>p < .05

<sup>\*\*</sup>p< .01

M = Motivator Items

H = Hygiene Items

R = Relation Items

E = Expectancy/Valence Items

#### COMPARISON OF DISCIPLINES AS TO RESPONSE LEVEL

Question 5: How do disciplines compare as to overall level of response on all questions? This computation is via Chi-Square as follows: First, the grand median was determined for response level by all subjects on all questions; next, the subjects were divided within disciplines as to number above and below the grand median; and finally, a 2(high vs. low response level) x 3(disciplines) Chi-Square table was computed as shown in Table 4 Below. This analysis supported Hypothesis 5.

TABLE 4
Observed and Expected Frequencies of Response
by Level of Response and Discipline

| Response Lev | Response Level |    | Discipline |     |
|--------------|----------------|----|------------|-----|
|              |                | CA | 65         | 488 |
| High         | Observed       | 25 | 25         | 30  |
|              | Expected       | 24 | 25         | 27  |
| Low          | Observed       | 23 | 25         | 24  |
|              | Expected       | 24 | 25         | 27  |
|              | Total          | 48 | 50         | 54  |

 $x^2 = .75$ , df = 2, Not Significant

Question 6: How do disciplines compare as to level of response within each sub-scale? This Chi-Square computation is a further comparison to determine if response within sub-scale is significantly different from the overall response as shown in Table 4. Hypothesis 6 was supported in all sub-scales except hygienes. Results are as shown in Tables 5a through 5d below.

TABLE 5a

Observed and Expected Frequencies of Response by Level of Response and
Discipline-Within Sub-Scale Motivators

| Response L | Response Level    |       |    | Discipline |     |
|------------|-------------------|-------|----|------------|-----|
|            |                   |       | CA | CS         | CSS |
| High       | Obse <b>rve</b> d |       | 22 | 23         | 35  |
|            | Expected          |       | 23 | 25         | 28  |
| Low        | Observed          |       | 24 | 27         | 21  |
|            | Expected          |       | 23 | 25         | 28  |
|            |                   | Total | 46 | 50         | 56  |

 $x^2 = 3.91$ , df = 2, Not Significant

TABLE 5b

Observed and Expected Frequencies of Response by Level of Response and Discipline-Within Sub-Scale Hygienes

| Response L | Response Level |         | Discipline | 6   |
|------------|----------------|---------|------------|-----|
|            |                | CA      | CS         | CSS |
| High       | Observed       | 20      | 25         | 35  |
|            | Expected       | 24      | 24         | 27  |
| Low        | Observed       | 28      | 23         | 19  |
|            | Expected       | 24      | 24         | 27  |
|            | Т              | otal 48 | 48         | 54  |

 $x^2 = 6.16$ , df = 2, p < .05

TABLE 5c

Observed and Expected Frequencies of Response by Level of Response and
Discipline--Within Sub-Scale Relations

| Response Level |                                     | Disciplin                                       | ine   |  |
|----------------|-------------------------------------|---|---|--|
|                | CA                                  | cs  | CSS   |  |
| Observed       | 18                                  | 22  | 29  |  |
| Expected       | 22                                  | 24  | 23  |  |
| Observed       | 26                                  | 26  | 17  |  |
| Expected       | 22                                  | 24  | 23  |  |
| Tota           | 11 44                               | 48  | 46  |  |
|                | Observed Expected Observed Expected | Observed 18 Expected 22 Observed 26 Expected 22 | CA         CS           Observed         18         22           Expected         22         24           Observed         26         26           Expected         22         24 |  |

 $x^2 = 4.92$ , df = 2, Not Significant

TABLE 5d

Observed and Expected Frequencies of Response by Level of Response and
Discipline--Within Sub-Scale Expectancy/Valence

| Response | Response Level |       | 1  | Discipline | 3   |
|----------|----------------|-------|----|------------|-----|
|          |                |       | CA | CS         | CSS |
| High     | Observed       |       | 24 | 21         | 29  |
|          | Expected       |       | 23 | 22         | 25  |
| Low      | Observed       |       | 22 | 23         | 21  |
|          | Expected       |       | 23 | 22         | 25  |
|          |                | Total | 46 | 44         | 50  |

 $x^2 = 1.46$ , df = 2, Not Significant

#### RELATIONSHIP BETWEEN AWOL LEVEL AND RESPONSE LEVEL

Question 7: How does AWOL level relate to overall level of response (all subjects)? This Chi-Square analysis was computed as follows: First, using the previously computed grand median based on overall response level, subjects were divided as to high (above the median) and low (below the median) response level; next, subjects were divided as to high (at least one instance of ½ day AWOL) and low (no unauthorized absences)

AWOL rate; finally a 2 x 2 Chi-Square (Table 6) was computed. The support here for Hypothesis 7 was not statistically significant. It is to be need that subject totals in this and other x<sup>2</sup> tables vary from the grand total of 155 subjects because those subjects with a response level equal to the grand median were not considered in x<sup>2</sup> computations.

TABLE 6
Observed and Expected Frequencies of AWOL by Response Level

| Response I | Response Level |      | WOL<br>Low |           |
|------------|----------------|------|------------|-----------|
| ***        |                | High |            | ********* |
| High       | Observed       | 8    | 71         |           |
|            | Expected       | 10   | 66         |           |
| Low        | Observed       | 12   | 61         |           |
|            | Expected       | 10   | 66         |           |
|            | Total          | 20   | 132        |           |

 $x^2 = 1.56$ , df = 2, Not Significant

Question 8: How does AWOL level relate to level of response by sub-scale? As was done in the above categories, this question is an expansion of AWOL level--response level comparison started in question 7. Of the four  $x^2$  tables 7a through 7d, all but the Expectancy/Valence computation are statistically significant. Therefore Hypothesis 8 is rather strongly supported by the  $x^2$  computation in Tables 7a through 7d below.

TABLE 7a

Observed and Expected Frequencies of AWOL by Response Level

Sub-Scale Motivators

| Response Level |          | A    | NOL |
|----------------|----------|------|-----|
|                |          | High | Low |
| High           | Observed | 3    | 75  |
|                | Expected | 9    | 67  |
| Low            | Observed | 15   | 59  |
|                | Expected | 9    | 67  |
|                | Total    | 18   | 134 |

 $x^2 = 9.91$ , df = 1, p<.01

TABLE 7b

Observed and Expected Frequencies of AWOL by Response Level
Sub-Scale <u>Hygienes</u>

| Response Le | Response Level |      | <b>NOL</b> |
|-------------|----------------|------|------------|
|             |                | High | Low        |
| High        | Observed       | 5    | 76         |
|             | Expected       | 110  | 67         |
| Low         | Observed       | 15   | 58         |
|             | Expected       | 10   | 67         |
|             | Total          | 20   | 134        |

 $x^2 = 7.42$ , df = 1, p<.01

TABLE 7c

Observed and Expected Frequencies of AWOL by Response Level
Sub-Scale Relations

| Response l | Response Level |      | <i>I</i> OL |
|------------|----------------|------|-------------|
|            |                | High | Low         |
| High       | Observed       | 3    | 67          |
|            | Expected       | 9    | 39          |
| Low        | Observed       | 15   | 11          |
|            | Expected       | 9    | 39          |
|            | Total          | 1.6  | 78          |
|            |                |      |             |

 $x^2 = 48.21$ , df = 1, p<.01

TABLE 7d

Observed and Expected Frequencies of AWOL by Response Level

Sub-Scale Expectancy/Valence

| Response L | ava)       | AWOL |     |  |  |
|------------|------------|------|-----|--|--|
| washouse a | ·          | High | Low |  |  |
| High       | Observed   | 7    | 67  |  |  |
|            | Lxpected   | 9    | 62  |  |  |
| Low        | Dev: e ed0 | 11   | 57  |  |  |
|            | Expected   | 9    | 62  |  |  |
|            | Total      | 18   | 124 |  |  |

 $x^2 = 1.70$ , df = 1, Not Significant

## RELATIONSHIP OF PERFORMANCE LEVEL TO AWOL RATE

This analysis uses each subject's composite response score (all 18 questions) as compared with high-low AWOL level. The determination of high-low AWOL and performance has been explained in previous questions. Hypothesis 9 was strongly supported—as indicated in Table 8 below.

TABLE 8
Observed and Expected Frequencies of AWOL by Performance Level

| Performance | Level    | AWOL |     |  |  |
|-------------|----------|------|-----|--|--|
|             |          | High | Low |  |  |
| High        | Observed | 5    | 64  |  |  |
|             | Expected | 6    | 48  |  |  |
| Low         | Observed | 7    | 32  |  |  |
|             | Expected | 6    | 48  |  |  |
|             | Total    | . 12 | 96  |  |  |

 $x^2 = 11.0$ , df = 1, p < .01

## RELATIONSHIP AMONG THE 18 QUESTIONS AS TO LEVEL OF RESPONSE

Question 10: What are the correlations among the 18 questions as to level of response? This analysis was done by computing an 18 x 18 correlation matrix using the Pearson r. With a few exceptions, the results strongly supported Hypothesis 10. Results are as shown in Table 9 below.

Correlation Among All 18 Questions As To Response Level

TABLE 9

| 0  | 18  | 17       | 16   | 15  | #   | 13         | 12          | Ħ   | 10  | 9        | <b>00</b> | 7   | σ,  | UR. | 4   | w | N | 1 |
|----|-----|----------|------|-----|-----|------------|-------------|-----|-----|----------|-----------|-----|-----|-----|-----|---|---|---|
| H  | .34 | .35      | .33  | .54 | .49 | •34        | .28         | .39 | .15 | .35      | •33       | .38 | .54 | .47 | .50 | 8 | 8 | , |
| N  | .49 | .48      | .35  | .56 | .55 | .26        | .16         | .38 | .30 | .29      | .22       | .38 | •54 | .51 | .57 | £ |   | , |
| u  | .24 | .24      | .35  | .49 | .47 | <b>4</b> . | •35         | .39 | .23 | .27      | .24       | .29 | .59 | .65 | ÷   |   |   |   |
| 4  | .24 | .37      | .24  | .49 | .45 | 8          | .17         | .46 | 21  | <u>.</u> | £.        | •36 | .57 | -54 |     |   |   | ŀ |
| 5  | •30 | .37      | 18   | .58 | .57 | .22        | <u>.</u> 22 | .50 | .27 | .38      | •35       | .46 | .75 |     |     |   |   |   |
| 6  | .29 | •33      | .21  | 12. | .52 | .16        | <b>.</b> 15 | .45 | .18 | .34      | ڊ.<br>ھز  | •31 |     |     |     |   |   |   |
| 7  | .51 | .36      | .16  | ##. | •31 | ·31        | #.          | .45 | •30 | .40      | .65       |     |     |     |     |   |   |   |
| CE | .26 | .k3      | .15  | .37 | .27 | #.         | 08          | 14. | .15 | .39      |           |     |     |     |     |   |   |   |
| 9  | .40 | .27      | • 30 | .40 | •30 | .35        | •3 <b>8</b> | •39 | .16 |          |           |     |     |     |     |   |   |   |
| 10 | .40 | .27      | .17  | .42 | .33 | .32        | •<br>&      | .31 |     |          |           |     |     |     |     |   |   |   |
| 티  | .32 | .46      | .10  | .44 | .50 | .28        | .19         |     |     |          |           |     |     |     |     |   |   |   |
| 2  | .16 | <b>1</b> | .37  | 3   | .8  | .19        |             |     |     |          |           |     |     |     |     |   |   |   |
| 12 | .24 | μ,       | •31  | .33 | 8   |            |             |     |     |          |           |     |     |     |     |   |   | , |
| 7  | .45 | .47      | .19  | .66 |     |            |             |     |     |          |           |     |     |     |     |   |   |   |
| 15 | .49 | .49      | .23  |     |     |            |             |     |     |          |           |     |     |     |     |   |   |   |
| 16 | .21 | :13      |      |     |     |            |             |     |     |          |           |     |     |     |     |   |   |   |
| 17 | .66 |          |      |     |     |            |             |     |     |          |           |     |     |     |     |   |   |   |

r over .19 = p < .01; r of .13 - .19 = p < .05; r 1888 than .13

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#### CHAPTER V

### CONCLUSIONS/APPLICATION/RECOMMENDATION

#### CONCLUSIONS

### Response Level and Performance

As outlined in Chapter I (Situation Leading to the Problem), the military manager has unduly emphasized soldier satisfaction as the prime indicator of soldier effectiveness. The apparent assumption that if a soldier or unit possesses a high level of satisfaction, a high level of job performance is assured, has led to considerable effort and expense at job enrichment and job benefits; all this without analysis as to how these efforts and expenditures relate to performance. As stated in Chapter I, I do not believe this to be either true or supported by research.

As an overall evaluation of the relationship between response level and rated performance, I found a significant positive correlation between these two variables. However a more detailed breakdown by discipline and sub-scale revealed two of the three disciplines with significant correlations in sub-scale Hygienes, Relations and Expectancy/Valence, but only one discipline significant in sub-scale Motivators. This relatively weak finding in Herzberg's sub-scale Motivators (satisfaction items) reinforces my contention that the military's satisfaction-performance assumption is not founded in fact.

Carrying this analysis further, I believe the fact that two of the three disciplines had significant response level-performance correlations

in all sub-scales except Motivators (only CA was significant in Motivators) support what many leaders have suspected about the U.S. Army-that what leaders generally consider job satisfaction/motivation, is actually lack of dissatisfaction. Accepting the assumption, which I think legitimate, that reenlistment rate is related to job satisfaction, the U.S. Army's Sergeants Major Academy at Fort Bliss, Texas has discovered some interesting findings in its three-year program of seminar discussions between junior enlisted men/women and Academy students. In a 17 January 1978 letter to Major General John W. Seigle, U.S. Army TRADOC, Colonel James E. Crow, Academy Commandant outlined some of these findings:

They (junior enlisted soldiers) were generally satisfied with their jobs, but normally were reenlisting for other reasons than job satisfaction. These reasons included economic advantages of the service, educational benefits, medical benefits, job security, special training opportunities, and reassignment to an area of choice.

. . Among soldiers who did not intend to reenlist, which was the majority, the most frequently cited reason was lack of job satisfaction.

It is noted that virtually all of the reasons given for reenlisting are sub-scale Hygiene items. I think this widespread perception by junior enlisted soldiers tells us as military leaders that our lack of emphasis on true "motivators" is being reflected in soldiers' lack of job satisfaction, hence lack of a desire to continue in the job. My reasoning is that the lower correlation in sub-scale Motivators is due to the situation where the subject perceives a void; there is nothing tangible with which performance can correlate. For example, there may be some sporadic high or medium performance due to merely "expectations" that the "satisfaction" situation will improve.

# Comparison of Disciplines as to Response Level

The overall comparison among disciplines as to level of response was not significant. However comparisons by sub-scale resulted in CSS scoring significantly higher than CA and CS in sub-scale Hygienes. Consider this difference in view of the response level vs. performance category where CA was the only discipline with a significant corselation between response level on Motivator items and performance. The fact that CSS is far ahead of CA in sub-scale Hygienes (as well as in all others, but not significantly so), yet did not have corresponding response levels in sub-scale Motivators, supports Hermberg's Motivation Hygiene Theory that Hygienes will remove dissatisfaction, but Motivators are required to cause Satisfaction—hence Performance.

## Response Level and AWOL

Again in this category, I found nothing statistically significant in the overall comparison. However when I compared these two variables at sub-scale level, I found a significant inverse relationship between AWOL and Response Level in all sub-scales but Expectancy/Valence. As to this result in Expectancy/Valence, I suspect that the more abstract/long range aspect of these Expectancy/Valence items caused them to be less seriously considered by the soldiers. As to the three sub-scales with significant inverse relationships, these findings support Hypothesis 7 and are what commanders/managers would intuitively expect.

## Performance and AWOL

I found a significant inverse relationship between AWOL and Performance. This is a rather straightforward and expected finding in that a soldier is obviously not performing while AWOL, and further, the supervisor of the AWOL soldier probably could not objectively rate the performance of this soldier when he is at work (after he has once gone AWOL).

## 18 Item Questionnaire Intercorrelations

I found consistently high intercorrelations with this survey device. I suspect that part of this intercorrelation is due to the "Halo" affect and the soldier having only one opportunity to express his perceptions. A longitudinal study of the type I recommend below should indicate whether the intercorrelations are in fact authentic.

#### APPLICATION

I would not be so vain as to expect that I could (or would even try to) give a commander/manager a magic do and don't list which would lead to better performance in his/her unit or organization. I further realize that "objective" reality is a myth; a commander must deal with "subjective" reality in that there are as many sets of reality as there are soldiers in the organization. It is the soldier's subjective reality that I approached with this study = the soldier's view of his/her job and how these perceptions are associated with performance. Also, I am not proposing that my 18-item survey device is all-inclusive as to factors affecting a soldier's performance.

### Response Level and Performance

As shown in Table 1, there is a high positive correlation between response level and performance. However a more detailed analysis (Tables 2 & 3) shows a considerable variation among disciplines, and within sub-scales, as follows. As to the response-performance correlation on each question, the Combat Arms (CA) discipline had significant correlations on 15 questions, Combat Support (CS) on 2 questions, and Combat Service Support (CSS) on 7 questions. This strong lead by CA carried into the response-performance analysis by sub-scale: CA correlations were significant in all sub-scales; CS in none of the sub-scales; and CSS in all but sub-scale Motivators. Therefore, considering the response level versus performance level of soldiers E-1 through E-4 in general, it is important for military commanders/managers to note the relationship between how soldiers view vital elements of their job and

how they perform. However, based on this research, the Combat Arms commander can be considerably more confident of the response-performance correlation than can his counterparts in the Combat Support and Combat Service Support branches.

Again, I emphasize to managers that a positive correlation between a response level and performance, or between a response level and AWOL does not imply a cause-and-effect relationship. It means only that these two variables follow a similar pattern of fluctuation.

In any case, I feel that the value of this study is that it will highlight to managers how soldiers' performance may respond to a change in the soldiers' perceptions of these 18 job factors, and the realization that the junior enlisted soldier generally perceives "satisfaction" aspects of his job as being either disregarded by his supervisors or at least given low priority consideration. I think the potential of this awareness and value to the manager obvious; assuming that he/she is capable of affecting soldiers' job perceptions.

### Response Level and AWOL

I found a significant inverse relationship between Response Level and AWOL in all sub-scales but Expectancy/Valence. I think it very important for managers to note the correlation between the soldiers' (potential AWOLs) view of the "here-and-now" aspects of the job (Motivators, Relations and Hygienes) versus the relative lack of concern for expectations of the future (Expectancy/Valence items).

### Performance and AWOL

The significant inverse relationship between AWOL and Performance is an expected finding in that while the soldier is AWOL he/she is obviously not performing on the job. However, commanders/managers should prevent operation of the "reverse Halo" effect where one instance of AWOL marks a soldier as a low performer. I submit that it is extremely difficult for a supervisor to give an unbiased performance rating to a subordinate who has once been AWOL—regardless of whether the AWOL occured within the current rating period.

#### RECOMMENDATION

I recommend a replication of this study in a setting where the longitudinal aspects of change in soldier's perceptions and performance can be assessed in conjunction with attempted manipulation of these perceptions by their supervisors. For example, I would conduct one survey per month for one year. This longitudinal data would allow more extensive analysis such as cross-lag and other that can approach such questions as: How does a change in soldiers' perceptions affect their job performance and vice-versa? How effective are supervisors at affecting soldiers' perceptions?

#### SELECTED BIBLIOGRAPHY

- Adams, J. Stacy and Rosenbaum, William B. The relationship of worker productivity to cognitive dissonance about wage inequities. <u>Journal of Applied Psychology</u>, 1962, 46, 161-64.
- Adams, J. Stacy. Toward an understanding of inequity. <u>Journal of Abnormal</u>
  <u>Social Psychology</u>, 1963, 67, 422-36.
- Adams, J. Stacy. Wage inequities, productivity, and work quality. <u>Industrial Relations</u>, 1963, 3, 9-16.
- Adams, J. Stacy. Injustice in social exchange, In L. Berkowitz (Ed.).

  Advances in Experimental Social Psychology, Vol. 2, New York: Academic Press, 1965.
- Adams, J. Stacy, and Jacobsen, Patricia R. Effects of wage inequities on work quality. <u>Journal of Abnormal and Social Psychology</u>, 1968, 10, 315-316.
- Alderfer, C. P. A new theory of human needs. <u>Organizational Behavior and Human Performance</u>, 1969, 4, 142-175.
- Andrews, I. R. Wage inequity and job performance: An experimental study.

  <u>Journal of Applied Psychology</u>, 1967, <u>51</u>, 39-45.
- Andrews, J. The achievement motive in two types of organizations. <u>Journal</u> of Personality and Social Psychology, 1967, 6, 163-68.
- Arrowwood, Arthur J. Some effects on productivity of justified and unjustified levels of reward under public and private conditions.

  <u>Doctoral Dissertation</u>, University of Minnesota, 1961.
- Atkinson, J. W. An Introduction to Motivation. Princeton: D. Van Nostrand Company, 1964
- Bendix, R. Work and Authority in Industry. New York: Wiley, 1956.
- Brayfield, A. H. and Crockett, W. H. Employee attitudes and employee performance. <u>Psychological Bulletin</u>, 1955, <u>52</u>, 396-424.
- Campbell, J. P., Dunnette, M. D., Lawler, E. E. and Weick, K. E.

  <u>Managerial Behavior Performance and Effectiveness.</u> New York: McGraw-Hill, 1970.
- Cummin, P. C. TAT correlates of executive performance. <u>Journal of Applied</u>
  <u>Psychology</u>, 1967, <u>51</u>, 78-81.

- DuBrin, Andrew J. <u>Fundamentals of Organizational Behavior: Applied Perspective</u>. New York: Pergamon Press, 1974.
- Dunnette, M. D. and Kirchner, W. K. <u>Psychology Applied to Industry</u>. New York: Appleton-Century-Crofts, 1965.
- Festinger, L. A Theory of Cognitive Dissonance. Evanston, Ill.: Row Peterson, 1957.
- Filley, Alan G. and House, Robert J. <u>Managerial Process and Organizational</u>
  <u>Behavior</u>. Glenview, Ill.: Scott-Foresman, 1969.
- Gellerman, S. W. <u>Motivation and Productivity</u>. New York: American Management Association, 1963.
- Georgopoulos, B. S., Mahoney, G. M. and Jones, N. W., Jr. A path-goal approach to productivity. <u>Journal of Applied Psychology</u>, 1957, <u>41</u> 345-353.
- Goodman, Paul S. and Friedman, Abraham. An examination of the effect of wage inequity in the hourly condition. Organizational Behavior and Human Performance, 1968, 3, 340-52.
- Goodman, Paul S. and Friedman, Abraham. An examination of quantity and quality of performance under conditions of overpayment in piece rate.

  Organizational Behavior and Human Performance, 1969, 4, 365-74.
- Goodman, R. A. On the operationality of the Maslow Need Hierarchy, British Journal of Industrial Relations, 1968, 6, 51-57.
- Graen, G. Instrumentality theory of work motivation: Some experimental results and suggested modifications. <u>Journal of Applied Psychology Monograph</u>, 1969, <u>53</u>, (Part 2).
- Hackman, J. R. and Porter, L. W. Expectancy theory predictions of work effectiveness. Organizational Behavior and Human Performance, 1968 3, 417-426.
- Hall, D. T. and Nougaim, K. E. An examination of Maslow's need hierarchy in an organizational setting. Organizational Behavior and Human Performance, 1968, 3, 12-35.
- Hedges, J. N. Absenteeism. Monthly Labor Review, 1973, Vol 96, 7(July), 24-30.
- Heider, F. The Psychology of Interpersonal Relations. New York: Wiley 1958.
- Heneman, H. G., III and Schwab, D. P. Evaluation of research on expectancy theory predictions of employee performance. <u>Psychological Bulletin</u>, 1972, 78, 1-9.

- Herzberg, F., Mausner, B, Peterson, R. and Capwell. D. F. <u>Job Attitudes</u>:

  <u>Review of Research and Opinion</u>. Pittsburg: Psychological Services
  of Pittsburg, 1957.
- Hersberg, F., Mausner, B. and Synderman, B. The Motivation to Work. (2d ed.), New York: Wiley. 1959.
- Herzberg, F. Work and The Nature of Man. Cleveland: World Publishing Company, 1966.
- Herabarg, F. The Managerial Choice-To Be Efficient and To Be Human. Homewood, Ill.: Dow-Jones-Irwin, 1976.
- Hilgard, E. R. and Atkinson, R. C. <u>Introduction to Psychology</u>. New York: Harcourt, Brace and World, 1967.
- Homans, G. Social Behavior. New York: Harcourt, Brace and World, 1961.
- Hulin, C. L. Job Satisfaction and turnover in a female clerical population.

  <u>Journal of Applied Psychology</u>, 1966, 50, 280-285.
- Hulin, C. L. Individual differences and job enrichment—the case against general treatments, in J. R. Maher (ed.). New Perspectives in Job Enrichment, New York: Van Nostrand Reinhold, 1971.
- Hull, C. L. Principles of Behavior. New York: Appleton-Century-Crofts, 1943.
- Jacques, E. Equitable Payment. New York: Wiley, 1961.
- Katz, D. and Kahn, R. The Social Psychology of Organizations. New York: Wiley, 1966.
- Kollarik, T. Worker's dissatisfaction as a reason for employee turnover.

  Syntega, 1973 (February), Vol 6(1), 22-25.
- Lawler, Edward E., Koplin, Gary A., Young, Terence F. and Fadem, Joel A. Inequity reduction over time in an induced overpayment situation.

  Organizational Behavior and human Performance, 1968, 3, 253-68.
- Lawler, Edward E. Job design and employee motivation. <u>Personal Psychology</u>, 1969, 22, 426-435.
- Lewin, K. The Conceptual Representation and Measurement of Psychological Forces, Durham, N.C.: Duke University Press, 1938.
- Likert, R. The Human Organization. New York: McGraw-Hill, 1967.

- Locke, E. A., Cartledge, N. and Knerr, G. S. Studies of the relationship between satisfaction, goal-setting, and performance. <u>Organizational</u>
  <u>Behavior and Human Performance</u>, 1970, 5, 135-158.
- Madsen, K. B. Theories of Motivation. Cleveland: Howard Allen, Inc., 1961.
- Maslow, A. H. A theory of human motivation. <u>Psychological Review</u>, 1943, 50, 370-396.
- Maslow, A. H. Motivation and Personality. New York: Harper, 1954.
- Maslow, A. H. Motivation and Personality (2d ed.). New York: Harper and Row, 1970.
- Mayo, E. The Human Problems of An Industrial Civilization. New York: Macmillan, 1933.
- Mayo, E. The Social Problems of An Industrial Civilization. Easton: Harvard University Press, 1945.
- McClelland, D. C., Atkinson, J. W., Clark, R. A. and Lowell, E. L. The Achievement Motive. New York: Appleton-Century, 1953.
- McClelland, D. C. The Achieving Society. New York: Van Nostrand, 1961.
- McGregor, D. The Human Side of Enterprise. New York: McGraw-Hill, 1960.
- Miles, R. E. Human relations or numan resources. <u>Harvard Business Review</u>, 1965, 43(4), 148-163.
- Miles, R. E., Porter, J. W. and Craft, J. A. Leadership attitudes among public health officials. American Journal of Public health, 1966, 56, 1990-2005.
- Motowidlo, Stephan J., Dowell, Benjamin S., Hopp, Michael A., Borman, Walter C., Johnson, Paul D. and Dunnette, Marvin D. Motivation, satisfaction and morale in army careers: A review of theory and measurement, ARL Technical Apport Ti-72-AT, December 1976, Minnapolis, Minnapola: Personnel Decisions, Inc.
- Murray, H. A. Explorations in suppression. New York: Oxford University Press, 1938.
- Patchen, M. The Cho and Annual Annual Anglewood Cliffs, N. J.: Prentice-Hall, 1961.

- Porter, L. W. and Lawler, E. E. <u>Managerial Attitudes and Performance</u>. Homewood, Ill.: Irwin, 1968.
- Pritchard, Robert D., Jorgenson, Dale O. and Dunnette, Marvin D.

  The effects of perceptions of equity and inequity on worker performance.
  and satisfaction. Working Paper, Purdue University, 1970.
- Hoethlisberger, F. and Dickson, W. J. <u>Management and The Worker</u>. Cambridge, Mass: Harvard University Press, 1939.
- Sanford, R. H. and Wrightsman, L. S., Jr. <u>Psychology</u>, Belmont, Calif: Brooks/Cole, 1970.
- Schein, E. <u>Organizational Psychology</u>. Englewood Cliffs, N. J.: Prentiss-Hall, 1972.
- Schuh, A. The predictability of employee tenure: A review of the literature.

  Personnel Psychology, 1967, 20, 133-152.
- Scott, W. E. and Cummings, L. L. (ed.) Readings in Organizational Behavior and Human Performance. (Revised Edition), Homewood, Ill.: Richard D. Irwin, Inc., 1973.
- Scott, William G. Human Relations in Management: A Behavioral Science Approach. New York: McGraw-Hill, 1962.
- Scott, William G. and Mitchell, Terence. Organization Theory: A Structural & Behavioral Analysis, 3d od., 1976.
- Sheridan, J. E., Slocum, J. W. and Byung, M. Motivational determinants of job performance. <u>Journal of Applied Psychology</u>, 1975 (February), Vol 60 (1), 119-121.
- Steers, R. M. and Porter, L. W. The role of task-goal attributes in employee performance. Psychological Bulletin, 1974, 81, 434-452.
- Steers, R. M. and Porter, L. W. Motivation and Work Behavior. New York: McGraw-Hill, Inc., 1975.
- Strauss, G. Worker dissatisfaction: A look at the causes. Monthly Labor Review, 1974, 68, 533-539.
- Tolman, E. C. <u>Purposize Settation in Animals and Men.</u> New York: Century, 1932.
- Tolman, E. C. Principles of purposive behavior. In S. Koch (ed.),

  Psychology: A Study of A Science, Vol 2, New York: McGraw-Hill, 1959.

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111, 119

- Weick, K. E., Jr. Reduction of cognitive dissonance through task enhancement and effort expenditure. <u>Journal of Abnormal and Social Psychology</u>, 1964, 68, 533-539.
- Wook, Ian and Lawler, Edward E. Effects of piece-rate overpayment on productivity. Journal of Applied Psychology, 1970, 54, 234-38.
- Vroom, V. H. Work and Motivation. New York: J hn Wiley & Sons, 1964.